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MASS FLOWMETER FOR FLOWING MEDIUM

Bibliographic data	Description	Claims	Mosaics	Original document	INPADOC legal status
Publication number: JP8170927 (A)					Also published as:
Publication date: 1996-07-02					<input type="checkbox"/> JP3335047 (B2)
Inventor(s): KURISUCHIAN RAADEMATSUHAA DOUB					<input type="checkbox"/> EP0691528 (A2)
	+				<input type="checkbox"/> EP0691528 (A3)
Applicant(s): KRONE AG +					<input type="checkbox"/> EP0691528 (B1)
Classification:					<input type="checkbox"/> DE4423168 (A1)
- international: G01F1/84; G01F1/76; (IPC1-7): G01F1/84					
- European: G01F1/84					
Application number: JP19950169068 19950704					
Priority number(s): DE19944423168 19940704					
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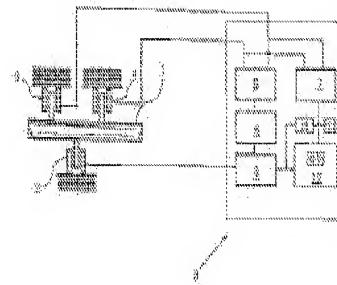
Abstract of JP 8170927 (A)

[Translate this text](#)

PROBLEM TO BE SOLVED: To enhance accuracy in the measurement of mass flow rate by setting an optimal value adjustably for the exciting energy generator in a Coriolis tube during operation of a mass flowmeter thereby sustaining the exciting oscillation of the Coriolis tube caused by peripheral factors at an optimal level constantly. **SOLUTION:** The mass flowmeter comprises an oscillation generator 2 for oscillating a Coriolis tube to introduce a fluid medium, two measurement detectors 3, 4 for detecting Coriolis oscillation caused by Coriolis force, and a control unit 5 for evaluating the measurement signals from the detectors 3, 4. The oscillation generator 2 oscillates the

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Coriolis tube with exciting energy. The control unit 5 comprises an exciting energy generator 6 for feeding the exciting energy to the oscillation generator 2.; Exciting energy of the exciting energy generator 6 can be set and adjusted during operation. In other words, the exciting energy can be elevated to a level for providing a measurement corresponding to a predetermined mass flow during the calibration process of the mass flowmeter.



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